

# SCAD Tower SPT 40

This is a permanent tower truss structure, designed as **multi-use structure**, that has the stability to accommodate not only the SCAD Dive, but other rides like slides, rotors and swings, as well as a **panoramic platform**. It operates the SCAD independently inside and is accessed by an external elevator. It is particularly designed as an **expandable tower ride attraction** for medium size entertainment and amusement businesses and offers the thrill of height, as well as the fascination of a beautiful view for visitors. As a spectacular eye catcher it pinpoints its position for miles around.

It consists of four major truss columns, horizontally supported only in the upper and lower segments to leave free visibility in the centre, which offers a spectacular view for spectators. Outside the tower there is an 8 passenger elevator box, that travels independently between the ground and the elevator ramp, hoisted by an electric winch at the top.. The SCAD ride inside the tower is suspended by a spring system and hoisted by a 4 cable winch located on the ground.

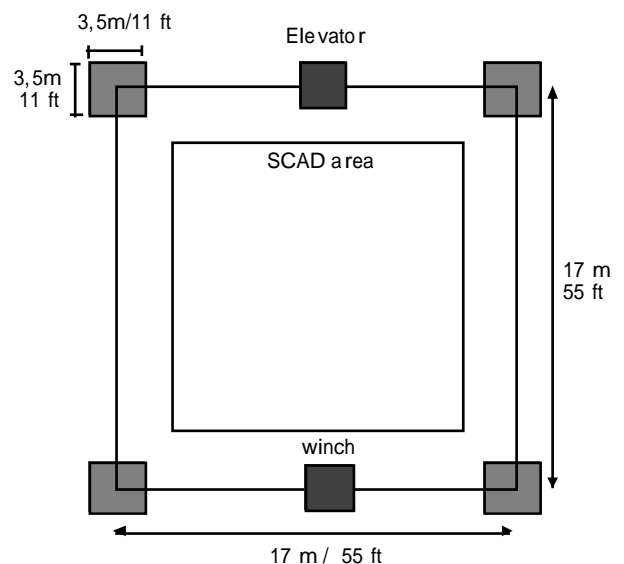
Customers who wish to experience more than the view, are fitted with the easy to dress free fall seat harness CFF on the ground, before entering the elevator to travel to the panoramic platform. Here the first customer hooks onto the release system. Upon a countdown, the customer experiences free fall at it is best - **unattached and pure, but controlled** by the CFF harness.

After a 100 ft free fall the customer lands in a 300 square foot airbag supported SCAD double net. The feeling is like landing in a cloud **without any impact**. After landing the SCAD is lowered to ground in 20 seconds, the customer can walk out and the SCAD is hoisted up again to catch the next customer. The free fall feeling is more intense, than any other simulation or free fall drop ride, due to the avoidance of disturbing attachments. As the participant is seated comfortably the ride is even smoother than known rides.

The elevator and ride are powered by a high capacity motor winch system, certified for personal transportation. The entire tower is also equipped with floodlights for night operation. A music sound system is optionally recommended. All parts of the tower are manufactured to the highest quality according to DIN 4112, the stringent official German standard for „Moving Overhead Structures“. The SCAD system is type **approved by the German technical control board TÜV** and complies with the US ASTM standards. The decoration and features can be customized to meet customer-specific requirements.

## Technical data:

Staff:	2
Total tower height:	165 ft / 53 m
Capacity of elevator:	8 passengers
Time for elevator lifting:	50 sec.
Capacity panoramic platform:	25
Total time per ride:	45 sec.
Rides per hour:	80
Power supply elevator:	11 kW, 400 V
Power supply ride:	7,5 kW, 400 V
Total ground space:	17 x 17 m / 55' x 55'ft
Recommended charge:	\$ 20 p. person
Weight / Groundload:	38 tons / 200 kN/m <sup>2</sup>
Foundations:	13 x 13 x 5 ft / 4 x 4 x 1,6 m
Features:	Operation lights, remote control



**Additional features:** Mega Splash Pool, Structure illumination, Theming